

Title (en)
Electric pump unit

Title (de)
Elektropumpeneinheit

Title (fr)
Unité de pompe électrique

Publication
EP 2565376 A2 20130306 (EN)

Application
EP 12182426 A 20120830

Priority
• JP 2011188291 A 20110831
• JP 2012019831 A 20120201

Abstract (en)
An electric pump unit including a pump body (6) formed of a pump housing (8) and a pump plate (9) provided in front of the pump housing. A motor housing (7) is fixed to a rear end of the pump housing (8), and accommodates a pump driving electric motor (4). A bearing device (17) that supports a motor shaft (18) includes a first bearing (21) that is arranged in a closed-end hole (9b) formed in a rear face of the pump plate (9) and supporting a front end portion of the motor shaft (18), and a second bearing (22) that is arranged radially inward of a cylindrical bearing support portion formed in the pump housing (8) and extending inside the motor housing (7) and that supports a middle portion of the motor shaft (18). A pump rotor (12) is arranged between the first bearing (21) and the second bearing (22).

IPC 8 full level
F04C 2/10 (2006.01); **F04C 11/00** (2006.01)

CPC (source: EP US)
F01C 21/02 (2013.01 - EP US); **F04C 2/102** (2013.01 - EP US); **F04C 11/008** (2013.01 - EP US); **F04C 2240/52** (2013.01 - EP US); **F04C 2240/808** (2013.01 - EP US)

Citation (applicant)
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Cited by
WO2018028806A1; EP3183458B1

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BA ME

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